

STEREO MOC Status Report
Time Period: 2011:122 - 2011:128

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 122, during the DSS 14 support, the antenna was red before the scheduled BOT at 1205z due to a software communications anomaly. The problem was resolved and telemetry was received at 1349z. The SSR playback was stopped and SSR pointers were repositioned. This anomaly caused the SECCHI SSR1 partition to fill on DOY 124 and resulted in the loss of two hours of SECCHI SSR data. See DR# G111438 for more information.
- On day 128, during the DSS 14 support, initial telemetry lock at BOT was delayed 30 minutes due to the antenna pointing model. After a conscan was initiated telemetry lock occurred at 1225z. The SSR playback was stopped and SSR pointers were repositioned. All SSR data was recovered. See DR# G111463 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 123, the 17th SECCHI stepped calibration, for perihelion, was executed.
- On day 125, the MOps permanent macro release 1.1.9 was loaded to C&DH RAM which supports changes for the SECCHI SSR2 partition playback.
- On day 125, the playback of SECCHI SSR2, special event partition #20, was enabled at 1946z to test the modified playback CONOPs.
- The average daily SSR playback volume for Ahead was 5.2 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 123, during the DSS 15 support, the maser receiver failed at the BOT. The station switched to the HEMT receiver to acquire telemetry lock. This resulted in the ranging data being calibrated after the track. All SSR data was recovered. See DR# G111445 for more information.
- On day 124, during the DSS 65 support, turbo decoder lock was lost briefly beginning at 2102z. This resulted in the loss of two frames of instrument SSR data.
- On day 126, during the DSS 65 support, telemetry lock was intermittently lost beginning at 1748z through 1922z due to heavy rain at Madrid. The SSR playback was stopped and SSR pointers were repositioned. This anomaly resulted in the loss of several minutes of instrument SSR data. See DR# M106314 for more information.
- On day 127, during the DSS 15 support, initial telemetry lock at BOT was delayed 7 minutes due to a data server failure at Goldstone. After the redundant data server was placed on-line, telemetry lock occurred at 0047z. This anomaly resulted in the loss of seven minutes of real-time data. All SSR data was recovered. See DR# G111456 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 123, the 17th SECCHI stepped calibration, for perihelion, was executed.
- On day 123, the playback of SECCHI SSR2, special event partition #20, was disabled at 1835z after playing back the recorded data. The playback was re-enabled at 124-1909z to test the modified playback CONOPs.
- On day 124, the MOps permanent macro release 1.1.9 was loaded to C&DH RAM which supports changes for the SECCHI SSR2 partition playback.
- On day 124, the SECCHI instrument reset at 16:14:56z. The SECCHI team reconfigured the instrument to operational mode

at 1949z. This was the 16th reset of SECCHI on the Behind spacecraft.

- On day 125, IMPACT loaded new tables to the SIT instrument.
- The average daily SSR playback volume for Behind was 5.1 Gbits during this week.